

**WHAT IS CLAIMED IS:**

1. An apparatus for enabling signal testing in a test configuration, comprising:

5 a cable environment embodied as a portable housing structure including a plurality of cables exhibiting a plurality of lengths and impedances, wherein at least a portion of each of the cables is supported within the portable housing structure and a user can selectively connect any one of the cables between a host device and a target device.

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2. The apparatus of claim 1, further comprising at least one signal measurement connector which is connectable to the cable environment, the at least one signal measurement connector including one or more test measurement points to enable collection of signal testing results.

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3. The apparatus of claim 1, wherein the host device is a server.

4. The apparatus of claim 1, wherein the target device is a disk subsystem.

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5. The apparatus of claim 1, wherein the cable environment includes a switch enabling a user to select a cable of a particular length and impedance.

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6. The apparatus of claim 1, wherein the signal testing is SCSI signal testing.

7. The apparatus of claim 1, wherein the test configuration is a Y-  
5 configuration.

8. The apparatus of claim 1, wherein the test configuration is a cluster configuration.

10 9. The apparatus of claim 1, wherein the test configuration is a compatibility configuration.

10 10. The apparatus of claim 1, wherein the test configuration is a cascaded configuration.

15 11. A method for enabling signal testing in a test configuration, comprising steps of:

moving a cable environment to a location corresponding to the test configuration, wherein the cable environment is embodied as a portable housing  
20 structure including a plurality of cables exhibiting a plurality of lengths and impedances; and

selectively connecting any one of the cables of the cable environment between a host device and a target device.

12. The method of claim 11, further comprising a step of collecting signal testing results by monitoring a signal measurement connector connected to the cable environment.

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13. The method of claim 11, wherein the host device is a server.

14. The method of claim 11, wherein the target device is a disk subsystem.

10 15. The method of claim 11, wherein a user selects a particular cable of the cable environment for connection between the host device and the target device by input to a switch.

15 16. The method of claim 11, wherein the signal testing is SCSI signal testing.

17. The method of claim 11, wherein the test configuration is a Y-configuration.

20 18. The method of claim 11, wherein the test configuration is a cluster configuration.

19. The method of claim 11, wherein the test configuration is a compatibility configuration.

20. The method of claim 11, wherein the test configuration is a cascaded  
5 configuration.

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